

**List of Patents and Publications For  
Applicant's Information Disclosure  
Statement**

Serial No.: 09/517,993

Applicants: Jerome H. Lemelson, et al.

Filed: 3/3/00

Group: 2748

**U.S. PATENT DOCUMENTS**

<u>Examiner Initials</u>		<u>Document Number</u>	<u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Filing Date (if appropriate)</u>
<i>AAA</i>	A	4,025,721	05/24/77	Graupe, et al.	179	1 P	
	B	4,118,601	10/03/78	Yeap	179	1 D	
	C	4,461,025	07/17/84	Franklin	381	56	
	D	4,630,304	12/16/86	Borth, et al.	381	94	
	E	4,677,677	06/30/87	Eriksson	381	71	
	F	4,891,605	01/01/90	Tirkel	330	279	
	G	5,550,924	08/27/96	Helf, et al.	381	94	
<i>AAA</i>	H	5,581,495	12/03/96	Adkins, et al.	364	724.16	

**FOREIGN PATENT DOCUMENTS**

<u>Examiner Initials</u>		<u>Document Number</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation Yes / No</u>

**OTHER ART**

<u>Examiner Initials</u>		<u>Author, Title, Date, Pertinent Pages, Etc.</u>
<i>AAA</i>	A	Savioja, Lauri/Rinne, Timo J./Takala, Tapio; "Simulation of Room Acoustics with a 3-D Finite Difference Mesh"; Helsinki University of Technology.
	B	Vogel, Durk P./Schurer, Hans/Slump, Cornelis H./Herrmann, Otto E.; "On the Realization of 3-D Binaural Audio Synthesis in Real Time"; <a href="mailto:hans@nt.el.utwente.nl">hans@nt.el.utwente.nl</a>
	C	Rindel, Jens Holger; "Computer Simulation Techniques for Acoustical Design of Rooms"; <i>Acoustics Australia</i> , September 1995.
	D	Schurer, H./Slump, C. H./ Hermann, O.E.; "Digital Compensation of Nonlinear Distortion in Loudspeakers"; <a href="mailto:hans@nt.el.utwente.nl">hans@nt.el.utwente.nl</a>
	E	Naylor, Graham/Rindel, Jens Holger; "Predicting Room Acoustical Behaviour with the ODEON Computer Model"; Presented as paper 3aAA3 at the 124 <sup>th</sup> ASA meeting, New Orleans, November 1992.
<i>AAA</i>	F	Rindel, J.H.; "Computer Simulation Techniques for Acoustical Design of Rooms - How to Treat Reflections in Sound Field Simulation"; / ASVA 97, Tokyo, April 1997, pgs. 201-208

Examiner:

*Angela Armstrong*

Date Considered:

*7/29/2004*

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G	Sankar, Ananth/Heck, Larry/Stolcke, Andreas;"Acoustic Modeling for the SRI Hub-4 Partitioned Evaluation Continuous Speech Recognition System; Speech Technology and Research Laboratory SRI International
H	Cohen, M./Rumelhart, D./Morgan, N./Franco, H./Avrash, V./Konig, Y.; "Combining Neural Networks and Hidden Markov Models for Continuous Speech Recognition".
I	Mohri, M./Riley, M./Hindle, D./Ljolje, A./Pereira, F.; "Full Expansion of Context-Dependent Networks in Large Vocabulary Speech Recognition";AT&T Labs Research; {mohri,riley,dmh,alj,pereira}@research.att.com
J	Cohen, M./Franco, H./Morgan, N./Rumelhart, D./Avrash, V./Konig, Y.; "Integrating Neural Networks into Computer Speech Recognition Systems".
K	Abrash, Victor; "Mixture Input Transformations for Adaptation of Hybrid Connectionist Speech Recognizers" SRI International; <a href="mailto:victor@speech.sri.com">victor@speech.sri.com</a>
L	Heck, Larry/Sankar, Ananth; "Acoustic Clustering and Adaptation for Robust Speech Recognition"; SRI International; {heck,sankar}@speech.sri.com
M	Stolcke, Andreas/Shriberg,Elizabeth; "Statistical Language Modeling for Speech Disfluencies"; SRI International; <a href="mailto:stolcke@speech.sri.com">stolcke@speech.sri.com</a> , <a href="mailto:ees@speech.sri.com">ees@speech.sri.com</a>
N	Cole, Ronald A./Burnett, Daniel/Weatherill, Vince; "An Evaluation Guide for Emergent Technologies in Automatic Speech Recognition"; Center for Spoken Lanuage Understanding, Department of Computer Science and Engineering, Oregon Graduate Institute of Science & Technology, December 6, 1993.
O	<a href="http://www.cscd.nwu.edu/public/ears/assistive">www.cscd.nwu.edu/public/ears/assistive</a> ; "Assistive Communicative Devices"; 11/16/99
P	<a href="http://www.cscd.nwu.edu/public/ears/perforated">www.cscd.nwu.edu/public/ears/perforated</a> ; "Perforated Eardrum", 11/3/99
Q	<a href="http://www.cscd.nwu.edu/public/ears/hearloss">www.cscd.nwu.edu/public/ears/hearloss</a> ; "Hearing Loss"; 11/4/99
R	<a href="http://www.cscd.nwu.edu/public/ears/cochlear">www.cscd.nwu.edu/public/ears/cochlear</a> ; "Cochlear Implant: A Device to Help the Dear Hear"; 11/3/99
S	<a href="http://www.cscd.nwu.edu/public/ears/earache">www.cscd.nwu.edu/public/ears/earache</a> ; "Earache and Otitis Media"; 11/3/99
T	<a href="http://www.cscd.nwu.edu/public/ears/cholesteatoma">www.cscd.nwu.edu/public/ears/cholesteatoma</a> ; "Choleasteatoma: A Serious Ear Condition"; 11/3/99
U	<a href="http://www.cscd.nwu.edu/public/ears/otosclerosis">www.cscd.nwu.edu/public/ears/otosclerosis</a> ; "Otosclerosis"; 11/3/99
V	<a href="http://www.cscd.nwu.edu/public/balance/perilymph">www.cscd.nwu.edu/public/balance/perilymph</a> ; "Perilymph Fistula"; 11/3/99
W	<a href="http://www.cscd.nwu.edu/public/balance/acoustic">www.cscd.nwu.edu/public/balance/acoustic</a> ; "Acoustic Neuroma"; 11/3/99
X	<a href="http://www.cscd.nwu.edu/public/ears/noise">www.cscd.nwu.edu/public/ears/noise</a> ; "Noise, Ears, and Hearing Protection"; 11/3/99
Y	<a href="http://www.cscd.nwu.edu/public/ears/menieres/index">www.cscd.nwu.edu/public/ears/menieres/index</a> ; Meniere's Disease"; 11/3/99
Z	<a href="http://www.cscd.nwu.edu/public/blanace/test">www.cscd.nwu.edu/public/blanace/test</a> ; "Testing for Vestibular Disorders"; 11/3/99
AA	<a href="http://www.utdallas.edu/~thib/rehabinfo/tohl">www.utdallas.edu/~thib/rehabinfo/tohl</a> ; "Types of Hearing Loss"; 6/29/99
BB	<a href="http://www.eos.ncsu.edu/bae/research/bla...projects/1998/asstdevice_98/hearing">www.eos.ncsu.edu/bae/research/bla...projects/1998/asstdevice_98/hearing</a> ; "Communications Aids"; 11/16/99

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<i>AAA</i>	
CC	<a href="http://www.ama-assn.org/sci-pubs/sci-news/1998">www.ama-assn.org/sci-pubs/sci-news/1998</a> ; "More Than 7 Million American Children Have Hearing Loss"; <u>Science News Update</u> , Week of April 8, 1998
DD	<a href="http://www.neuro.new.edu/programs/vestib/edu/hearing/cent_hearing">www.neuro.new.edu/programs/vestib/edu/hearing/cent_hearing</a> ; "Central Hearing Loss"; 11/3/99
EE	<a href="http://headwize.com/tech/anr_tech">http://headwize.com/tech/anr_tech</a> ; "Active Noise Reduction Headphone Systems"; <u>HeadWize Technical Papers</u> ; 11/22/99
FF	<a href="http://www.askmar.com/askmar/Noise/Noise%20Effects/Noise">www.askmar.com/askmar/Noise/Noise%20Effects/Noise</a> ; Suter, Alice H.; "Noise and Its Effects"; <u>Administrative Conference of the United States</u> ; November 1991; 11/16/99
GG	<a href="http://www.compsoc.man.ac.uk/~maniac/resource_web/harmony_central/eq">www.compsoc.man.ac.uk/~maniac/resource_web/harmony_central/eq</a> ; Harmony Central Effects Explained: Equalization; 7/19/99
HH	<a href="http://www.cs.tut.fi/~ypsilon/80545/RoomAccoustics">www.cs.tut.fi/~ypsilon/80545/RoomAccoustics</a> ; "Room Accoustics"; 9/28/99
II	<a href="http://www.docshop.com/info/hearingloss">www.docshop.com/info/hearingloss</a> ; Lovering, Larry J.; "Hearing Loss: The Neglected Disorder", 7/15/99
JJ	<a href="http://www.boystown.org/feafgene.reg/fundamen">www.boystown.org/feafgene.reg/fundamen</a> ; "Fundamentals of Hearing Part 1"; 7/19/99
KK	<a href="http://www.audiologyawareness.com/hhelp/audiogram">www.audiologyawareness.com/hhelp/audiogram</a> ; "How Do We Read and Audiogram"; <u>The Audiology Awareness Campaign</u> ; 7/19/99
LL	<a href="http://audiorevolution.com/equip/theatermaster/index">http://audiorevolution.com/equip/theatermaster/index</a> ; "Enlightened Audio Designs Theater Master"; 1/5/2000
MM	<a href="http://www.mvblind.uni-linz.ac.at/mvb/research/voice/deliv">www.mvblind.uni-linz.ac.at/mvb/research/voice/deliv</a> ; "The Voice Project", 6/28/99

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